IN THE SPECIFICATION

Please insert the following replacement abstract marked up to show changes made relative to the immediate prior version.

-- A method and system for increasing the overall network throughput over a wireless local area network (WLAN). Specifically, in one embodiment of the present invention, the dynamic selection of an initial value for a contention window in the Distributed Coordinated Function (DCF) mode is determined according to the load conditions over the WLAN in a method and system. Stations and access points within a WLAN monitor conditions within the network to establish an initial value for the contention window, also called a minimum contention window value, [[that]] which is lower than that set by the IEEE 802.11 communication standard. Some factors to consider in determining the load conditions include but are not limited to the following: number of transmissions; number of receptions; and number of collisions.--